Simplex

*UL Listed**

MX Technology Addressable Devices

Addressable Call Points with Integral Short Circuit Isolation, Available for Indoor or Outdoor Use

Features

Individual addressable manual fire alarm call points with:

- MX Technology addressable loop communications that supply power and data using a single wire pair
- Integral LED indicator for status identification
- EMI compatibility
- Integral short circuit isolation
- Test key for testing the call point without breaking the glass to speed maintenance visits
- A special key to open the call point
- Easily programmable address with the MX Service Tool
- Internally mounted addressable module is similar to the design of the 4090-5201 Mini-IAM
- Approved to UL 38

Compatibility:

- For use with Simplex 4100ES, and 4010ES Series fire alarm control unit controls equipped with an MX Loop Module
- Refer to datasheet *S4100-0059* for MX Loop Module details

SKU 4099-5208 for indoor applications:

- Indoor call point supports surface or flush mounting

SKU 4099-5209 for outdoor applications:

- Rated as IP67 for external applications
- Outdoor call points are for surface mounting only



Figure 1: 4099-5208, Indoor call point



Figure 2: 4099-5209, Outdoor call point

Description

Easy to install, addressable manual call points satisfy demanding applications and include a compact communications module. An integral addressable module monitors status and communicates changes to the connected control unit through MX Loop communications. Breaking a glass element operates a switch which signals an alarm condition. The LED indicator indicates the alarm condition.

Product selection

Table 1: MX Loop addressable manual call points

SKU	Description	Instructions
4099-5208	MX Loop addressable indoor call point	579-1396
4099-5209	MX Loop addressable outdoor call point, includes surface mount box	579-1395

Table 2: Accessories

SKU	Description
4099-9711	Surface mount backbox for indoor call points, 32 mm deep (1 1/4 in.)
4099-9706	Call point replacement glass, package of 10

*Additional listings may be applicable; contact your local product supplier for the latest status.

Specifications

Table 3: Common specifications

Description	
Power and communications	MX Loop, one address for each call point
Current	0.3 mA in standby
	2.35 mA in alarm
Address means	Select with MX Service Tool
Wire connections	Terminal blocks, for wire size 20 AWG to 14 AWG (0.5 mm^2 to 2.5 mm^2)
Color	Red, RAL3001
Material	Flame retardant ABS

Table 4: SKU 4099-5208, Indoor call point

Description	
Operating temperature range	14°F to 131°F (-10°C to 55°C)
Humidity range	Up to 95% RH non-condensing
Ingress protection	IP24D
Dimensions, housing only (semi-flush mount)	3 5/8 in. H x 3 1/2 in. W x 1 1/16 in. D (93 mm x 89 mm x 27 mm)

Table 5: SKU 4099-5209, Outdoor call point

Description	
Operating temperature range	-13°F to 158°F (-25°C to 70°C)
Ingress protection	IP67
Dimensions, with mounting box	3 5/8 in. H x 3 13/16 in. W x 2 7/8 in. D (93 mm x 97.5 mm x 73 mm)

Application reference

Refer to NFPA 72, the ***National Fire Alarm and Signaling Code***, and all applicable local codes for complete requirements for manual call points. The following summarizes the basic requirements:

1. Locate call points in the normal path of exit. Distribute call points in the protected area such that they are unobstructed and readily accessible.
2. When mounting, ensure that the operable part not less than 3 1/2 ft (1.1 m) and not more than 4 1/2 ft (1.37 m) above floor level.
3. Provide at least one call point on each floor. Provide additional call points to obtain a travel distance not more than 200 ft (61 m) to the nearest call point from any part of the building.
4. Install additional call points when manual call point coverage appears limited in any way.

Operation

Activation: To activate the call point, break the glass element. A protective plastic coating on the glass prevents operator injury and inhibits the release of glass fragments. You do not require a hammer. Completing the action operates a micro-switch. The switch signals the condition back to the control unit.

Call point reset: Resetting the call point requires the use of a special key which is supplied with the call point. Use the key to remove the front cover and replace the glass element.

Call point testing: To test the call point, insert the key fully into the bottom of the housing and pull down. The action releases the bottom of the housing and break glass element. To reset the call point, push the bottom of the housing upwards until it locks in position.

Mounting reference

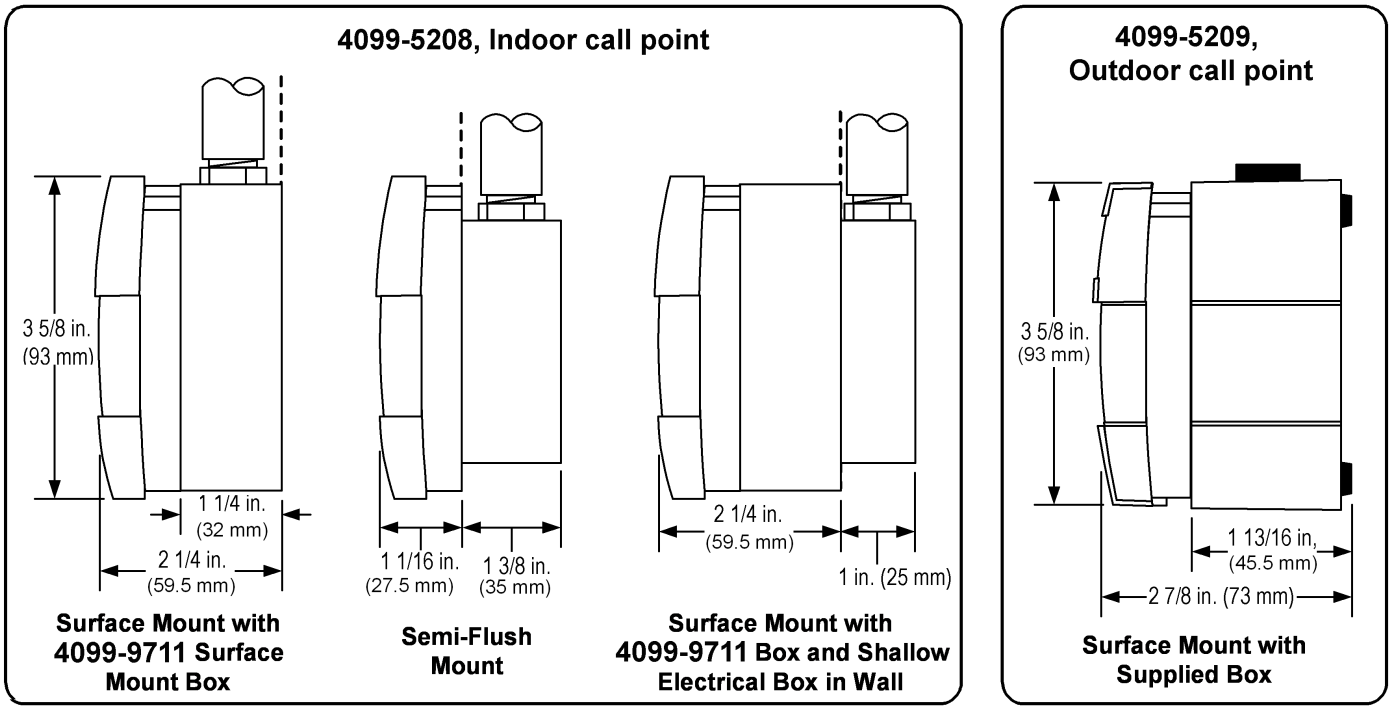


Figure 3: Mounting reference

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